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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,986	08/20/2003	Hsi Hui Yu	4062CG	1145
7590	07/02/2004		EXAMINER NGUYEN, PHONG H	
Hsi Hui YU P.O. Box 63-99 Taichung, 406 TAIWAN			ART UNIT 3724	PAPER NUMBER

DATE MAILED: 07/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/646,986

Applicant(s)

YU, HSI HUI

Examiner

Phong H Nguyen

Art Unit

3724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 9-18 is/are rejected.
- 7) ☒ Claim(s) 7 and 8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Specification*

1. Claims 17 and 18 are objected to because of the following informalities:  
on line 1 in both claims, "fur" should be changed to --further--. Appropriate correction is required.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Parks et al. (6,530,303 B1) in view of Tagliaferri (5,159,869).

Regarding claim 1, Parks teaches the invention substantially as claimed including:

- a housing,
- a seat 101 disposed in said housing,
- a first frame 202 rotatably secured to said seat with a pivot pin and having
- a sector gear 202R provided thereon,
- a first saw blade 14 attached to said first frame,
- means 109 for driving said first saw blade,

a first adjusting means for adjusting said first frame relative to the seat.

See Figs. 1-5, 11, 18, 19, 43A, 43B and 43C.

Parks fails to teach a second frame secured to a seat, a second saw blade having a motor secured to the second frame and a second adjusting means for the second frame. Tagliaferri teaches a saw system comprising two saw blades (7 and 8) for cutting wood panels. See Figs. 1 and 2. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the Parks' invention two saw assemblies 100 for cutting wood panels. The second saw assembly comprises a seat, a second saw blade having a motor secured to the second frame and a second adjusting means for the second frame. It is noted that the second saw assembly is substantially the same as the first saw assembly.

Regarding claim 2, the first adjusting means includes a shaft 232 rotatably secured to the seat, and a worm 231 disposed on the shaft and engaged with the sector gear 202R of the first frame. See Figs. 1-5, 11, 18, 19, 43A, 43B and 43C in Parks.

Regarding claims 3-6, a means for supporting the shaft on the seat including a block 101B having an orifice formed therein, a board secured to the seat and a bracket. See Figs. 1-5, 11, 18, 19, 43A, 43B and 43C in Parks.

Regarding claim 9, the hand wheel 15 is best seen in Fig. 3.

Regarding claim 10, a conduit 15S on the second adjusting means is best seen in Fig. 18. It is noted that the first saw assembly and the second saw assembly are substantially the same.

Regarding claim 11, a hand wheel 15C secured to the conduit is best seen in Fig. 18.

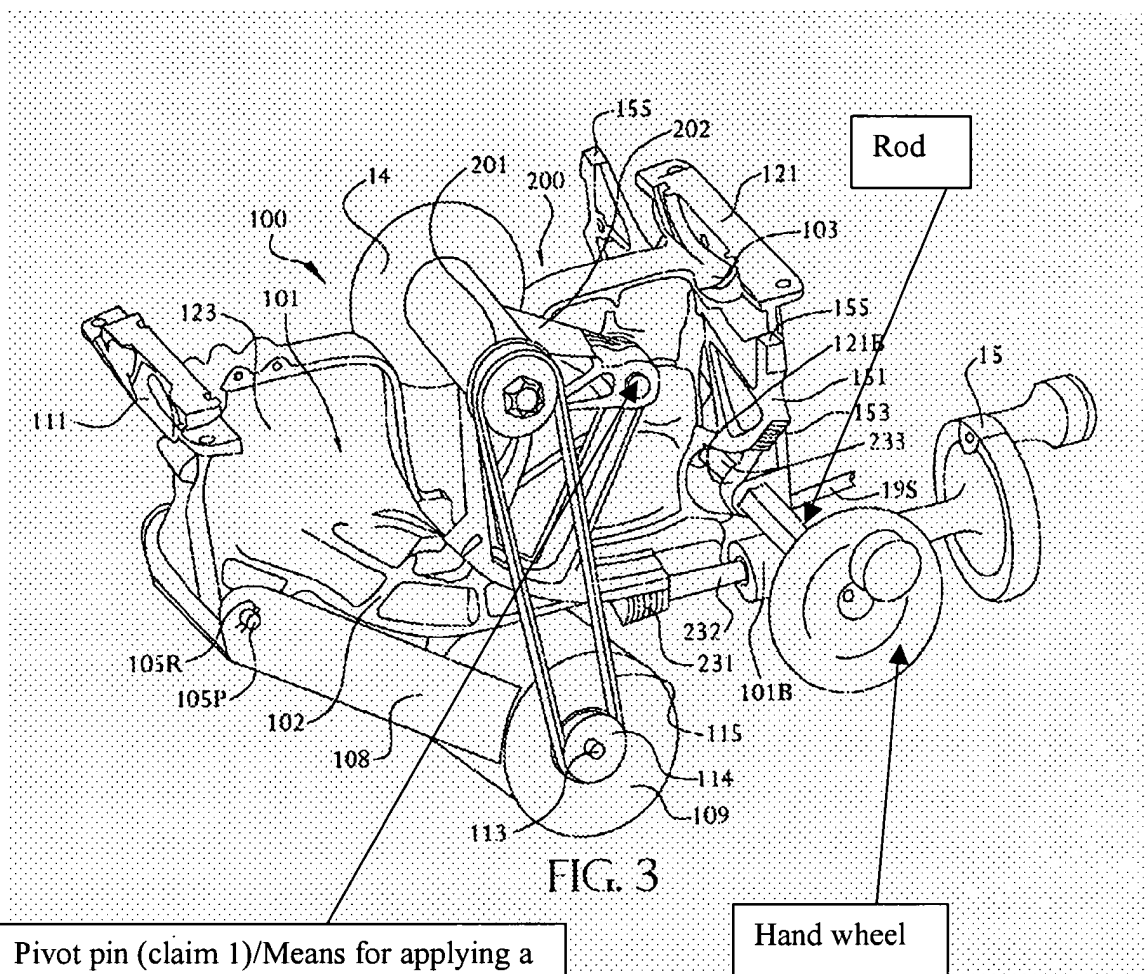
Regarding claim 12, the motor 109 for each saw is best seen in Fig. 3.

Regarding claim 13, the second adjusting means having a shaft 232 rotatably secured to a seat and a worm 231 disposed on the shaft is best seen in Fig. 3. Parks fails to teach whether the shaft 232 is solid or hollow. One having ordinary skill in the art at the time the invention was made would have been motivated to make a hollow shaft (conduit) for reducing weight of the shaft.

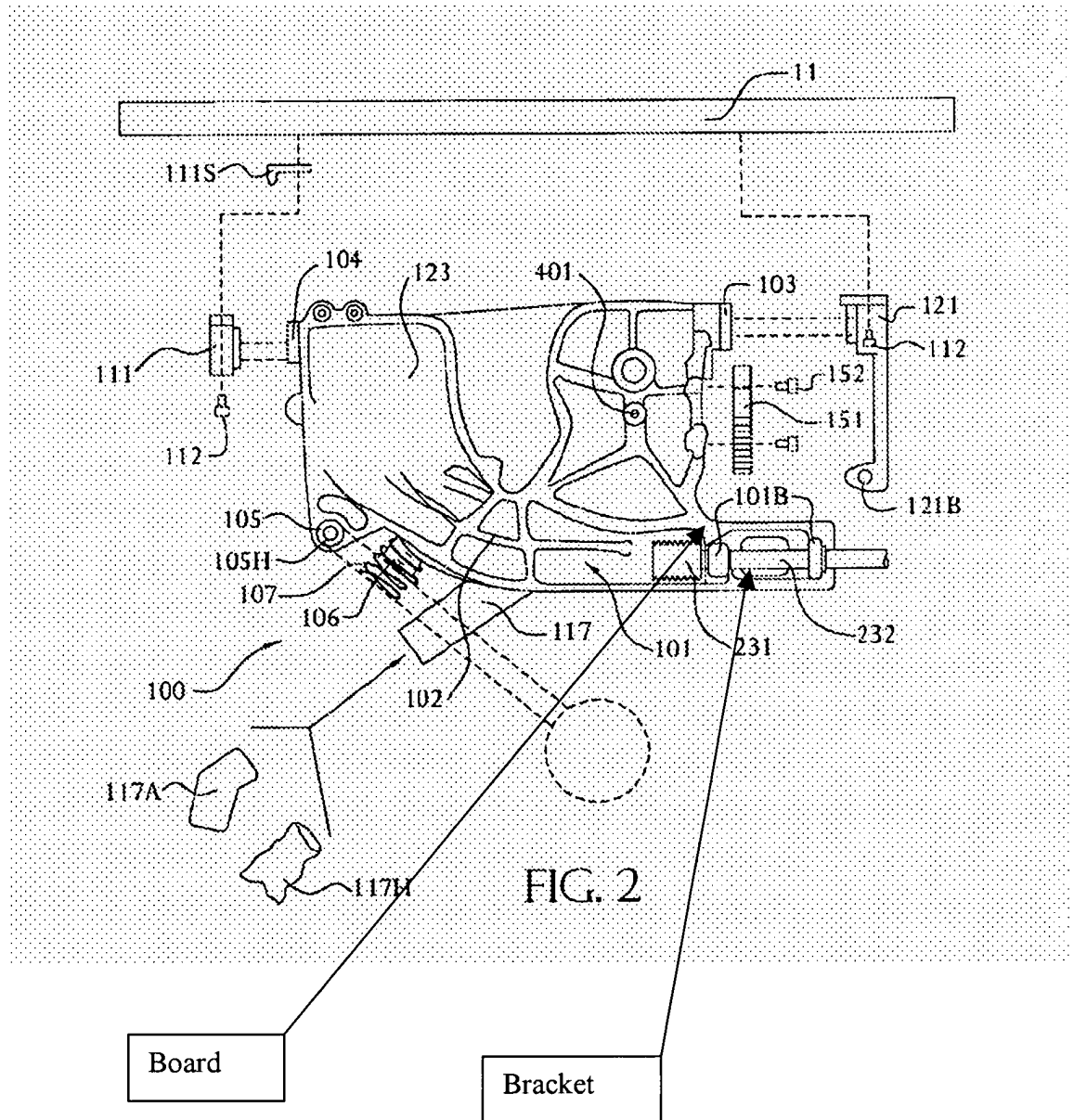
Regarding claims 14 and 15, a means for rotating the seat including a first and a second side plates (151 and 111) secured to the seat and rotatably attached to the housing, the first side plate 151 includes a sector gear 153, a rod rotatably secured to the seat, and a worm disposed on the rod and engaged with the sector gear of the first side plate. See Figs. 3 and 11.

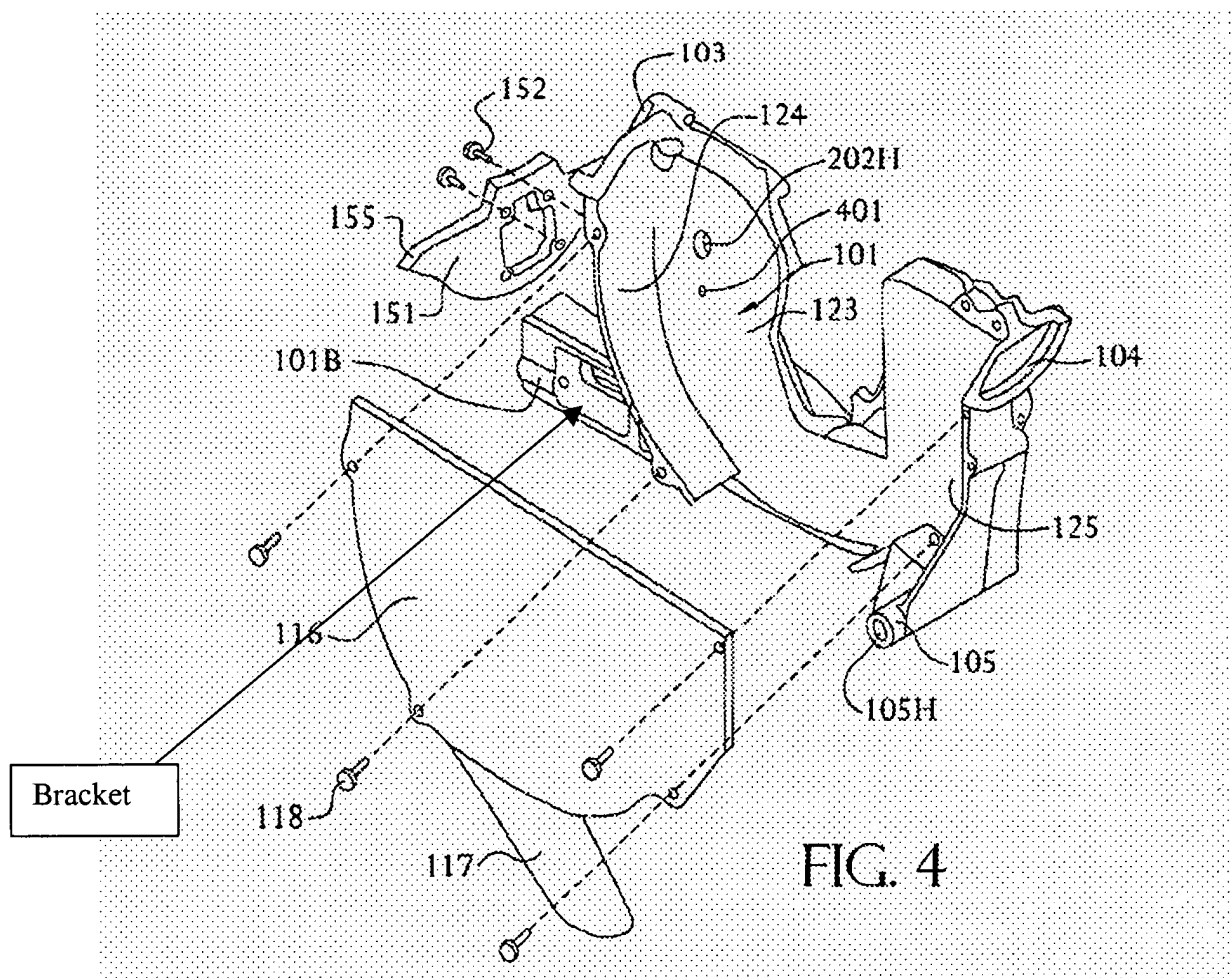
Regarding claim 16, a hand wheel is best seen in Fig. 3.

Regarding claims 17 and 18, a means for applying a biasing force is best seen in Fig. 3.



Pivot pin (claim 1)/Means for applying a biasing force between the seat the second frame (claim 18)







***Allowable Subject Matter***

3. Claims 7 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Chiang (6,283,002 B1), Chuang (6,722,242 B2), Wang (6,546,835B2), Tautz (2,068,964), Copp (3,011,529) and Hitchcock (2,661,777) teach saw assemblies of general interest.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phong H Nguyen whose telephone number is 703-305-4989. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan Shoap can be reached on 703-308-1082. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair->

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direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PN: *pn*

June 24, 2004



**STEPHEN CHOI  
PRIMARY EXAMINER**